

REMARKS

Claims 1-11 are pending in this application. By this amendment, claims 1 and 9-11 have been amended to more particularly define the present application. Support for the amended claims can be found in the DETAIL DESCRIPTION OF THE PREFERRED EMBODIMENT section, beginning, e.g., on page 10, line 1 of the specification. No new matter has been introduced. Favorable reconsideration of this application, as presently amended and in light of the following discussion, is respectfully requested.

Allowable Subject Matter

The Applicant thanks the Examiner for indicating that claims 5, 8 and 11 contain allowable subject matter and would be allowable if rewritten in a manner as set forth in item 7 of the Outstanding Action.

Claims 1-11 have been provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1 - 8 of copending Application No. 09/609,651 (Lin et al.).

The Applicant acknowledges the provisional non-statutory obviousness-type double patenting rejection. An appropriate action such as filing a terminal disclaimer will be taken when the instant application is allowed.

Claims 1-4, 7, 9 and 10 are rejected under 35 U.S.C. 102(e) as being anticipated by Imamura, U.S. Patent No. 6,232,949 (hereinafter "Imamura").

In the present invention, the scan units sequentially drive each of the scanning lines in the liquid crystal display panel, which are not disclosed in Imamura. Furthermore, its driving method comprises the driving of one of the scanning lines simultaneously, and is also not disclosed in Imamura. That is, absent in the reference is the use of two scan units to drive a same scanning line. See the DETAIL DESCRIPTION OF THE PREFERRED EMBODIMENT section, beginning on page 10, line 1. Accordingly, Applicant respectfully submits that claim 1 is not anticipated by Imamura. Insofar as claims 4, 7, 9 and 10 depend either directly or indirectly on claim 1, Applicant submits that these claims are also not anticipated by Imamura, for at least the reasons stated above.

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Imamura in view of Prior Art Fig. 1 cited by Applicant (hereinafter "APA").

Applicant respectfully submits that Imamura lacks the features of the present invention, as recited in claim 1 from which claim 6 indirectly depends, wherein scan units sequentially drive each of the scanning lines in the liquid crystal display panel, and the corresponding applied driving method. Hence, neither Imamura nor APA, taken individually or in combination, discloses or renders obvious the module of the present invention, as set forth in claim 6.

In view of the amendments to the claims and the remarks set forth above distinguishing the claimed invention from the cited prior art references, Applicant submits that the Examiner's objections and rejections have been overcome. It is therefore respectfully requested that the Examiner withdraw the objections and rejections and allow the present claims.

Tien-Jen LIN

Serial No.: 09/610,012

If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact Applicant's undersigned attorney at the telephone number indicated below to arrange for an interview to expedite the disposition of this case.

In the event that this paper is not timely filed, Applicant respectfully petitions for an appropriate extension of time. The fees for such an extension or any other fees which may be due with respect to this paper, may be charged to Deposit Account No. 50-2394.

Respectfully submitted,

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MARKED-UP COPY OF AMENDED CLAIMS

IN THE CLAIMS:

Please amend claims based on the last corrected claims as follows:

1. (Amended) A liquid crystal display module, comprising:

a liquid crystal display panel having a plurality of scanning lines parallel to a first side of the liquid crystal display panel;

a driving circuit unit for generating a first scanning control signal and a second scanning control signal;

a first scanning unit, coupled to the driving circuit unit and a second side of the liquid crystal display panel adjacent to the first side of the liquid crystal display panel, for receiving the first scanning control signal and sequentially driving each of the scanning lines in the liquid crystal display panel; and

a second scanning unit having the same layout as the first scanning unit, coupled to the driving circuit unit and a third side of the liquid crystal display panel opposite to the second side of the liquid crystal display panel, for receiving the second scanning control signal and sequentially driving each of the scanning lines in the liquid crystal display panel; wherein the first scanning unit and the second scanning unit drive one of the scanning lines simultaneously.

9. (Amended) The liquid crystal display module as recited in claim 3, wherein each A scanning circuit board, located in a liquid crystal display module with a liquid crystal display panel, for connecting with a plurality of scanning drivers to scan a plurality of scanning lines extending

from a first side of the liquid crystal display panel to a second side of the liquid crystal display panel, comprising:

a connector for connecting with an external connector and receiving a scanning control signal;

a first scanning interface, located at a first side of the scanning circuit board, for transferring the scanning control signal to the scan drivers connected with the first scanning interface and driving each of the scanning lines from the first side of the liquid crystal display panel; ~~and~~

a second scanning interface, located at a second side of the scanning circuit board opposite to the first side of the scanning circuit board, for transferring the scanning control signal to the scan drivers connected with the second scanning interface and driving each of the scanning lines from the second side of the liquid crystal display panel; and

an on-board circuit, for sending the scanning control signal received to the first or second scanning interfaces.

10. (Amended) The liquid crystal display module ~~scanning circuit board~~ as recited in claim 9, wherein the scanning control signal contains a data-shifting direction signal.

11. (Amended) The liquid crystal display module ~~scanning circuit board~~ as recited in claim 10, wherein the data-shifting direction signal sent to the first scanning interface and the second scanning interface represent reverse shifting directions.